

News

Genomic Selection: A New Frontier For Higher Rates of Genetic Gain In Wheat

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The current rate of genetic improvement in wheat yields is insufficient to meet the world's future needs for wheat based food. Genomic selection (GS) is the most likely tool to be able to deliver improvement in genetic gain in wheat production. From the CBB, NIASRA, Prof. Brian Cullis, A. Prof Alison Smith and Emi Tanaka will be undertaking research for a successful implementation of GS.

Prof. Brian Cullis and Emi Tanaka recently visited their partner investigator, Dr. Haydn Kuchel at Australian Grains Technologies (AGT), for their joint work on the ARC linkage project, "Genomic Selection: A New Frontier For Higher Rates of Genetic Gain In Wheat". They had fruitful discussions about the project along with an overview of breeding methodology in practice, including a tour of the new controlled environment facilities, the seed packing robots and the summer nurseries in the bird proof house.



An AGT breeding site testing more than 40,000 unique wheat genotypes

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